
CERTIFICATE OF ANALYSIS

| | |
|------------------------------|-----------------------------------|
| Product Name | VCAM-1 Binding Pep, Cat.#: 319169 |
| Lot No. | MTFA32358-0120 |
| Sequence | VHPKQHRGGSKGC |
| Dissolution condition | 100%H ₂ O |
| Length | 13AA |
| Modification | N/A |
| Molecular Weight (MW) | 1390.59 |
| Storage | -20°C |

| Test Items | Specifications | Results |
|---------------------|---------------------------------------|----------|
| MW by MS | 1391.00 | Conforms |
| Purity by HPLC | >95% | 98.311% |
| Peptide content | N/A | N/A |
| Moisture content | N/A | N/A |
| Acetic acid content | N/A | N/A |
| Appearance | White to off-white lyophilized powder | Conforms |
| Quantity | 10mg | 5.0mg*2 |

NovoPro Bioscience Inc. (hereafter NovoPro) warrants material of said quality at the time of sale. It is the sole responsibility of the customers to determine the adequacy of all materials for any intended or specific purpose or use. NovoPro's sole obligation is to replace the material up to the extent of the purchase price. This warranty applies only to products in original packaging and does not apply to a product which has been tampered with or altered in any way in or which has been misused or damaged by accident or negligence. All claims must be received writing (by fax or email) within 30 days from date when product arrive at the destination city and failure to do so shall constitute a waiver by customers for any and all such claims.

Certified by:



Quality Assurance Department

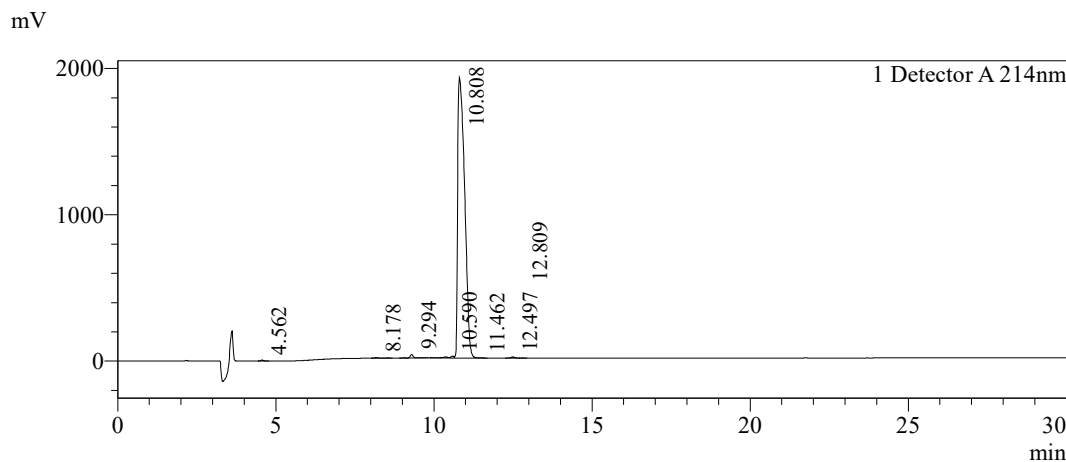
Feb/18/2025



Sample Information

Order ID :MTFA32358
 Name :VCAM-1 Binding Pep
 Sequence :VHPKQHRGGSKGC
 Lot. No :MTFA32358-0120
 Pump A :0.1%Trifluoroacetic in 100% water
 Pump B :0.1%Trifluoroacetic in 100% acetonitrile
 Total Flow :1ml/min
 Wavelength :214nm
 Analytical column type :Kromasil 100-5-C18 (4.6*250mm*5 µm)
 Dissolution method :100%H2O
 Inj. Volume : 25ul
 Time Module Action Value
 0.01 Pumps B.Conc 5
 30.00 Pumps B.Conc 35
 33.00 Pumps B.Conc 100
 38.00 Pumps B.Conc 100
 40.00 Pumps B.Conc 5
 50.00 Controller Stop

Chromatogram

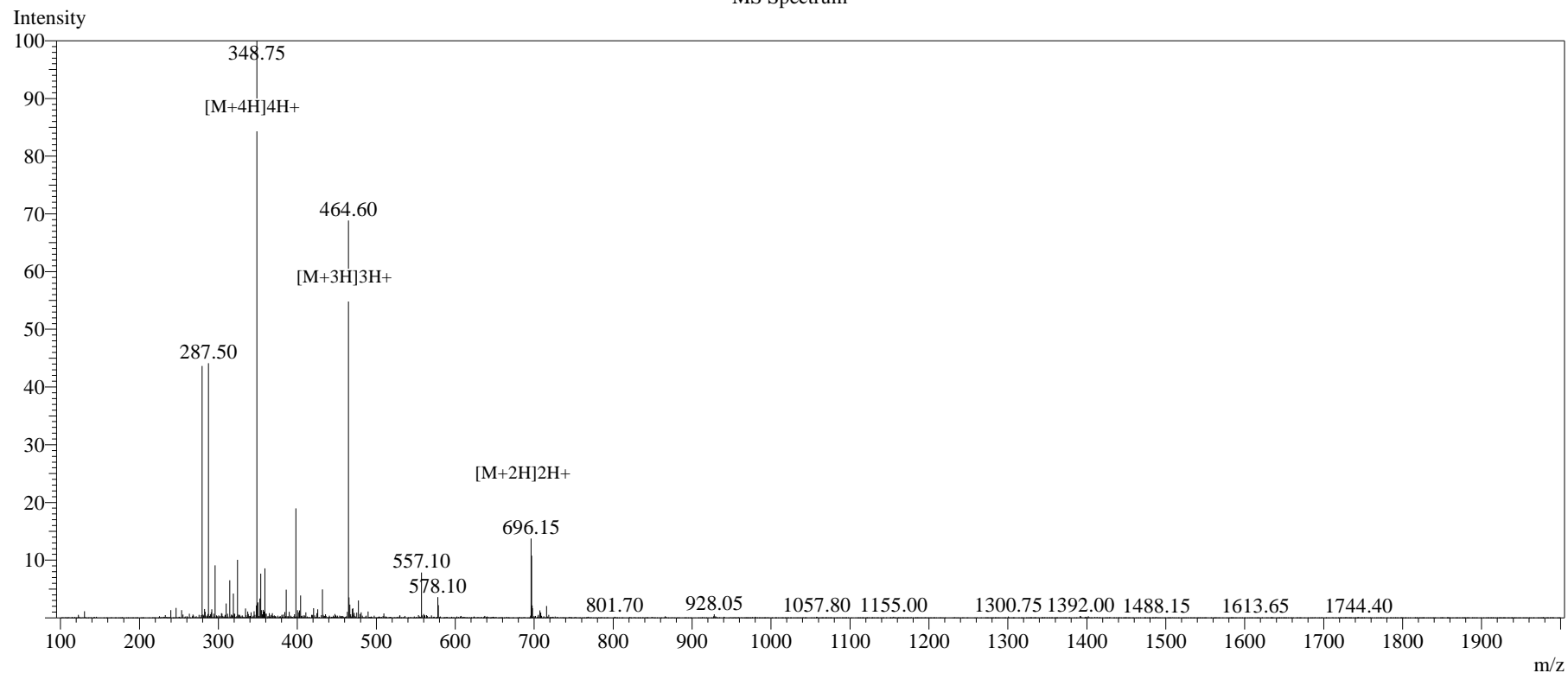


Peak Table

Detector A 214nm

| Peak# | Ret. Time | Area | Height | Area% |
|-------|-----------|----------|---------|---------|
| 1 | 4.562 | 35341 | 5960 | 0.118 |
| 2 | 8.178 | 42850 | 4054 | 0.144 |
| 3 | 9.294 | 198445 | 24218 | 0.665 |
| 4 | 10.590 | 162767 | 11905 | 0.545 |
| 5 | 10.808 | 29354998 | 1915023 | 98.311 |
| 6 | 11.462 | 9490 | 1367 | 0.032 |
| 7 | 12.497 | 52730 | 6947 | 0.177 |
| 8 | 12.809 | 2576 | 541 | 0.009 |
| Total | | 29859197 | 1970016 | 100.000 |

MS Spectrum



Sample Information

Dissolution method :15% ACN+85% H₂O
Date Acquired :2025/02/05 10:58:29
Injection Volume :0.2ul
Block Temp :200

Interface :ESI
Nebulizing Gas Flow :1.50L/min
CDL Temp :250°C
CDL Volt :0v

Prerod Bias :+4.5kv
Detector :-0.2kv
T.Flow :0.2ml/min
B.conc :50% H₂O/50% ME OH

Order ID :MTFA32358
Name :VCAM-1 Binding Pep
Sequence :VHPKQHRGGSKGC
Lot.No :MTFA32358-0120
Theoretical :1390.59
Observed :1391.00